

METHOD FOR ANALYZING A FLUID SAMPLE

ABSTRACT OF THE DISCLOSURE

A method for separating a desired analyte from a fluid
5 sample comprises the steps of introducing the sample into a
cartridge having a sample flow path and a lysing chamber in
the sample flow path. The lysing chamber contains at least
one filter for separating cells or viruses from the sample.
The sample is forced to flow through the sample flow path,
10 thereby capturing the cells or viruses with the filter as
the sample flows through the chamber. The ratio of the
volume of sample forced to flow through the chamber to the
volume capacity of the chamber is preferably at least 2:1,
and the volume of sample forced to flow through the chamber
15 is preferably at least 100 microliters. The captured cells
or viruses are disrupted to release the analyte therefrom,
and the analyte is eluted from the chamber.